NSRIT

Monthly Information System (MIS)

April – May 16, 2022

Key Highlights

- NBA visit for the programs of study viz. CSE, ECE, EEE and Mechanical Engineering was over during May 06 – 08, 2022 and waiting for the result

- Received the QS I –Gauge E-Learning Excellence for Academic Digitization (E – Lead) Certificate from the Hono' ble Cabinet Minister Smt. Smriti Irani, Union Minister for Women and Child Development, New Delhi on May 12, 2022 and Mr. Varma, TPO received the Citation

- Signed MoU with the following organization for academic collaborations
    - Vihaan Electrix, Visakhapatnam
    - Tech Team Solutions, Visakhapatnam
    - HMI Engineering Services (Hirawat Group), Visakhapatnam
    - ImageInnovate Solutions, Visakhapatnam

- The Department of ECE organized a one-day workshop on ML & DL using Python on April 29, 2022, for the students of ECE

- The Department of Mechanical Engineering organized a Guest Lecture on Solar Desalination taking the support of Prof. S. S. R. Kousik, NIT Puducherry on April 30, 2022

Key Highlights

- The department of TPO organized placement pool drive with the help of Tilicho Labs on April 24, 2022

- Inaugurated the Buddica Centre (Sponsored Laboratory) on April 23, 2022, and Buddica sponsored 5 computers at Phase I

- Celebrated Hostel Day on April 23, 2022

- The Department of Mechanical Engineering organized a webinar on Career Opportunities after Graduation on April 15, 2022, taking the support of Mr. Ankit Goyal, Unacademy

- NSS organized Blood Donation Camp with the help of Lions Club, Visakhapatnam on April 08, 2022

- As of now 9 weeks of industrial training at CEMS, Visakhapatnam was provided to the students of ECE, EEE and Mechanical Engineering (Second Year) and 3-4 more weeks of training is left over in the field of Induction Motors, Mechatronics and Embedded Systems

- As of now 9 weeks of training related to Python was completed for 100 students of second year CSE, CSE (AI & ML) and CSE (DS) through Buddica

Quality Initiatives

- The Teaching Learning process, especially the assessment pattern pertaining to Skill Oriented Course is completely tightened with **"Lite and Tight" model, similar to Finland education system promoting active learning strategies using LMS**

- Introduction of industry experts for assessing the learning outcomes pertaining to the courses of Skill Oriented Category

- Received QS – iGauge E-Lead Certification

NSRIT RECEIVING ACADEMIC DIGITILIZATION EXCELLENCE CERTIFICATION FROM QS I - GAUGE
HON'BLE CABINET MINISTER SMT. SMIRITI IRANI
UNION CABINET MINISTER, WOMEN & CHILD DEVELOPMENT
PRESENTING THE CERTIFICATE, MAY 12, 2022, NEW DELHI

Academic Performance (Internal & External) 2021 - 2022

NSRIT

No.	Tests / Examinations	Target	Overall pass percentage			
			First Year (ODD)	**Second year**	**Third year**	**Fourth year**
1	Internal Assessment Test #1	85%	72%	72%	63%	73%
2	Internal Assessment Test #2	85%	73%	-	-	-
3	End Semester Examinations	85%	64%	-	-	-

Note: First year even semester is JUST ON. Sem. IV, VI and VIII, mid-term II test starts on May 30, 2022

Forthcoing Admission Plan (2022 – 2023)

- Similar Admission Meritorious Plan may be continued for the forthcoming year too
- Limited Hoardings at one or two places (One opposite to CMR Central Mall and other one at our choice of our discussion)
- Wide dissemination through bus panels this time
- Digital Promotion (Rs. 2, 00, 000)
- Buddy Referral
  - CSE and allied programs (Less than 10000 Ranks, Rs. 10, 000/- per candidate on fee concession)
  - ECE, EEE (Less than 15000 Ranks, Rs. 7500 per candidate on fee concession)
  - CE and ME (Less than 25, 000 Ranks, Rs. 5000 per candidate on fee concession)
- 5K Run (Run for Unity) – Mini Marathon at RK Varun Beach (Branding & Visibility)
- Introduction of Tablet PC for all students of first year with free CANVAS (LMS) License
- Placement Day Celebration and Performers Day Celebration on May 28, 2022

Academic Performance (Internal & External) 2021 - 2022

NSRIT

2nd YEAR INSTITUTIONAL SEMESTER WISE
- S1: 68
- S2: 80
- S3: 66

3RD YEAR INSTITUTIONAL SEMESTER WISE
- S1: 29
- S2: 21
- S3: 40
- S4: 34
- S5: 58

INSTITUTION SEMESTER-WISE
- S1: 39.3
- S2: 45.5
- S3: 42.5
- S4: 52.2
- S5: 63.8
- S6: 67.23
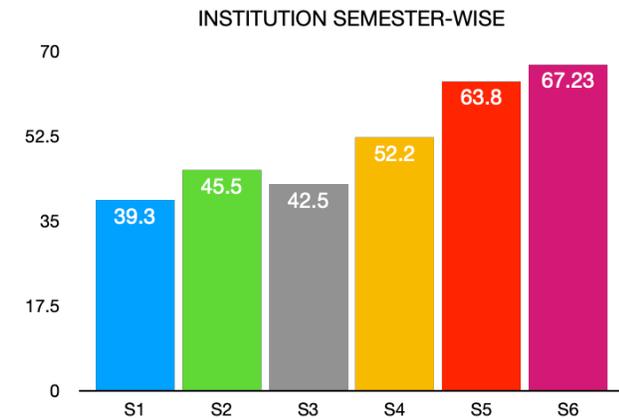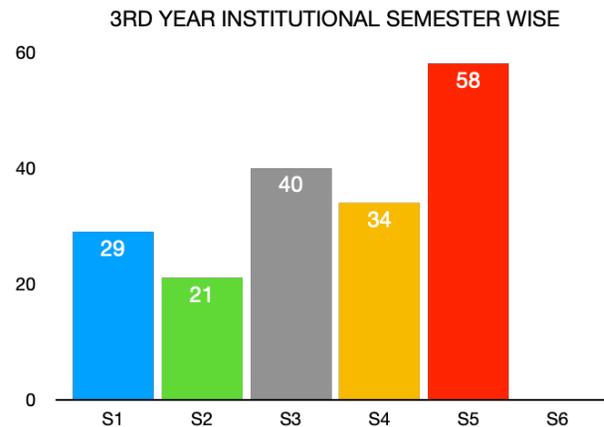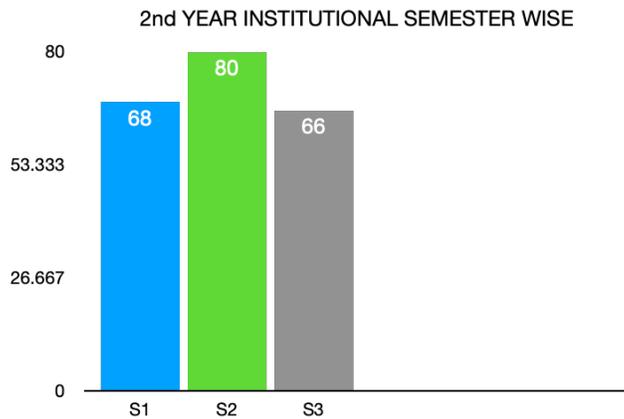
Mitigation Plan

1. Coaching Class for Mathematics I and II, Physics and Chemistry for 10 days

2. Remedial Classes started for present students of first year with limited attachment to faculty till supplementary examinations which is likely to fall in another one month

3. Model Test / Exam Series are also planned from May 16, 2022 – May 28, 2022 for all difficult courses of II, III and IV years during post lunch

Academic Performance (Overall Status of B. Tech. I Year)

NSRIT

No.	Program	Appeared Strength	All Pass	Percentage	With 1 Backlog	With 2 Backlog	With 3 Backlog	> 3
1	Civil Engineering	24	12	50.00 (67%)	06	05	01	0
2	Computer Science & Engg.	129	86	66.67 (60%)	17	17	10	01
3	Electronics & Communication Engg.	126	86	68.25 (65%)	19	10	05	06
4	Electrical & Electronics Engg.	52	36	69.23 (93 %)	08	06	02	04
5	Mechanical Engineering	42	16	38.10 (76%)	16	05	03	04
6	CSE (AI and ML)	33	25	75.76 (63%)	04	03	01	0
7	CSE (Data Science)	33	20	60.61 (62%)	08	03	01	01
	Total	439	281	64.01 (69%)	78	49	23	16

Academic Performance (Overall Status of B. Tech. II Year)

No.	Program	Strength	All Pass	Percentage	With 1 Backlog	With 2 Backlog	With 3 Backlog	> 3
1	Civil Engineering	34	24	70.58	4	2	0	4
2	Computer Science & Engg.	140	91	65.00	15	12	7	15
3	Electronics & Communication Engg.	33	14	42.42	9	3	1	6
4	Electrical & Electronics Engg.	35	19	54.28	11	3	0	2
5	Mechanical Engineering	140	89	63.57	20	6	5	20
6	CSE (AI and ML)	35	18	51.42	5	1	1	10
7	CSE (Data Science)	68	30	44.11	19	8	2	9
	Total	485	285	60%	83	35	16	66

Academic Performance (Overall Status of B. Tech. III and IV Years)

No.	Program	Strength	All Pass	Percentage	With 1 Backlog	With 2 Backlog	With 3 Backlog	> 3
1	Civil Engineering	32	11	36.66	4	2	6	9
2	Computer Science & Engg.	120	36	30	18	15	7	44
3	Electronics & Communication Engg.	109	17	15.59	20	7	10	55
4	Electrical & Electronics Engg.	26	6	23.07	7	5	2	6
5	Mechanical Engineering	116	32	27.58	23	22	4	35
	Total	403	102	25.31	72	51	29	149
1	Civil Engineering	42	31	73.80	2	5	0	4
2	Computer Science & Engg.	125	77	61.60	13	11	5	19
3	Electronics & Communication Engg.	109	50	45.87	18	11	9	21
4	Electrical & Electronics Engg.	58	26	44.82	14	5	1	12
5	Mechanical Engineering	139	67	48.92	25	18	6	23
	Total	473	251	53.06	72	50	21	79

Overall Attendance Snapshot (Nov. 2021) – Academic Year 2021 – 2022 (Till April 2022) – Without Presumptive Attendance

NSRIT

No.	Program	Students Strength	2nd Year						3rd Year						4th Year					
			<65%		65% - 75%		>75%		<65%		65% - 75%		>75%		< 65%		65% - 75%		>75%	
			No	%	No.	%	No	%	No.	%	No	%	No.	%	No.	%	No.	%	No.	%
1	CE	103	5	15.2	6	18.2	22	66.7	21	75	1	3.6	6	21.4	34	81.0	4	9.5	4	9.5
2	CSE	385	22	15.7	33	23.6	85	60.7	35	29.2	34	28.3	51	42.5	42	33.6	25	20.0	58	46.4
3	ECE	355	17	12.1	40	28.6	83	59.3	12	11.3	32	30.2	62	58.5	1	0.9	31	28.4	77	70.6
4	EEE	118	2	5.9	6	17.6	26	76.5	1	3.8	5	19.2	20	76.9	6	10.3	20	34.5	32	55.2
5	ME	324	19	27.9	22	32.4	27	39.7	76	65.5	19	16.4	21	18.1	103	73.6	18	12.9	19	13.6
6	CSE (M)	32	8	25.0	18	56.3	6	18.8	-	-	-	-	-	-	-	-	-	-	-	-
7	CSE (DS)	35	3	8.6	9	25.7	23	65.7	-	-	-	-	-	-	-	-	-	-	-	-
	Total	1352	79	16.4	91	18.9	299	62.0	165	41.7	96	24.2	135	34.1	191	40.3	127	26.8	156	32.9

Overall Attendance Snapshot (Nov. 2021) – Academic Year 2021 – 2022 (Till May 28, 2022) - With Presumptive Attendance

NSRIT

No.	Program	Students Strength	2nd Year						3rd Year						4th Year					
			<65%		65% - 75%		>75%		<65%		65% - 75%		>75%		< 65%		65% - 75%		>75%	
			No	%	No.	%	No	%	No.	%	No	%	No.	%	No.	%	No.	%	No.	%
1	CE	103	5	15.2	6	18.2	22	66.7	8	28.6	14	50.0	6	21.4	0	0.0	3	7.1	39	92.9
2	CSE	385	22	15.7	33	23.6	85	60.7	8	6.89	26	21.7	82	68.3	8	6.4	33	26.4	84	67.2
3	ECE	355	17	12.1	40	28.6	83	59.3	2	1.9	20	18.9	84	79.2	1	0.9	31	28.4	77	70.6
4	EEE	118	2	5.9	6	17.6	26	76.5	0	0.0	1	3.8	25	96.2	0	0.0	8	13.8	50	86.2
5	ME	324	19	27.9	22	32.4	27	39.7	5	4.3	25	21.6	86	74.1	0	0.0	35	25.0	105	75.0
6	CSE (M)	32	8	25.0	18	56.3	6	18.8	-	-	-	-	-	-	-	-	-	-	-	-
7	CSE (DS)	35	3	8.6	9	25.7	23	65.7	-	-	-	-	-	-	-	-	-	-	-	-
	Total	1352	79	16.4	91	18.9	299	62.0	23	6.8	86	21.7	283	71.5	9	1.9	110	23.2	355	74.9

Faculty Participation in Professional Development Activities

No.	Name of the faculty	Online certification course	Faculty internship	Conference	Workshop	FDP		Total
						3 Day	5 day & above	
1	Civil Engineering	0	0	2	2	2	0	6
2	Computer Science and Engineering	0	0	0	0	0	2	2
3	Electronics and Communication Engineering (ECE)	0	0	1	2	0	0	3
4	Electrical and Electronics Engineering (EEE)	0	0	0	1	0	9	10
5	Mechanical Engineering	2	0	0	0	0	2	4
6	Master of Business Administration (MBA)	0	0	0	0	0	0	0
7	Freshman Engineering Department (i.e. BS & H)	0	0	0	2	4	0	6

All members of faculty have registered for NPTEL courses. And the status will be updated once it is done after review with one-to-one faculty

Faculty Development Programs Organized by the Department

NSRIT

No.	Name of the program	Sponsoring agency/Funding agencies, if any	Amount sanctioned (Rs. In Lakhs)	Duration of the program		Details of external resource persons	No. of participants
				From	To		
1	Master OBE	Self-supported	-	Sep. 18, 2021	Continuous	Internal Resources	All faculty
2	Faculty Grooming	Self-supported	-	Sep. 18, 2021	Continuous	Internal Resources	All faculty
3	Basics of Power Systems	Institute sponsored	Rs. 50, 000	Sep.19, 2021	Dec. 2021	Mr. U. V. V. Bhaskar, CEMS	1
4	Design of Electronic Circuits	Institute sponsored	Rs. 50, 000	Sep.19, 2021	Dec. 2021	Mr. K. Poorna Chandra, CEMS	2
5	NXCAD	Institute sponsored	Rs. 50, 000	Sep.19, 2021	Dec. 2021	Mr. S. Satish, CEMS	2
6	Faculty Grooming	Institute Supported	-	Nov. 06, 2021	Nov. 06, 2021	Internal Resources	All faculty

Student Training Programmes

No.	Name of the training	Mode of training (Online / Offline)	Year of study	No. of students	Details of external resources, if any	Date	
						From	To
1	Embedded Systems (80 Hours)	Offline	II	64	CEMS	05.03.2022	26.03.2022
2	Hands on practice on Induction motors (120 Hours)	Offline	II & III	60	CEMS	05.03.2022	26.03.2022
3	Concepts of Ship Design and NX CAD (80 Hours)	Offline	II	60	CEMS	05.03.2022	26.03.2022
4	TILICHO Labs Training Program	Offline	IV	2	TILICHO Labs	02.03.2022	30.03.2022
5	One Credit course on Data Analytics	Offline	II	102	BUDDICA Software India Pvt.Ltd	05.03.2022	19.03.2022
6	Wipro Training	Online	IV	01	Wipro IT Services	10.03.2022	30.03.2022

Research & Development (Till April 2022)

No.	Key Performance Indicators (KPIs)	Nos.	Faculty involved
1	Project proposal submitted	**2**	**1**
2	Papers submitted to conference	2	2
3	Papers presented in conference		
4	Papers submitted to Scopus Indexed Journals	1	1
5	Papers accepted / published in Scopus Indexed Journals	01	01
6	Papers submitted to SCI Indexed Journals	**5**	**1**
7	Papers accepted / published in SCI Indexed Journals	6	4
8	No. of working paper series	14	4
9	No. of project proposals under preparation	4	3

1. Only Principal investigators (PI), first authors alone shall be considered under the column "Faculty Involved"
2. In case if the same faculty involved in multiple KPIs, it shall be mentioned under the column "Nos"
3. Working paper series are the papers that are being prepared by the members of faculty for submission
4. List of projects - Click here
5. List of papers published (Scopus and SCI) - Click here

Till April 2022
No. of Paper Publications: 12
Scopus: 05
SCI: 09
Scopus: 01
Conference: 1, Other 01

April 2022: 1
Scopus: 0
SCI: 1
Publons and Clasrivat: 01

Placement Snapshot

NSRIT

|	Total Students Strength	Eligible Students	Job Offers	Single Offers	Percentage of Placement		CTC in Lakhs		
					Strength	Eligible	Minimum	Maximum	Average
Civil Engg.	42	33	15	11	26%	33%	1.8	3.6	
EEE	59	30	87	46	77%	153%	2.5	6.5	3.6
Mechanical Engg.	143	94	172	111	77%	118%	1.8	6.5	3.6
ECE	110	65	121	65	59%	100%	2.5	6.5	3.6
CSE	126	87	186	93	73%	106%	2.5	6.5	3.6
Total	480	309	581	326	67%	108%	1.8	6 .5 L	4

Note: Results awaited from ITS, Wiley MThree, WIPRO, TCS.Total No. of offers > 3.2: 306 Offers

NSRIT

Project Proposals Submitted (No recent updates)

No.	Title of the Project	Date of submission	Funding Agency	Scheme	Grant Amount (Rs. In Lakhs)	PI and Co - PI
1	Improving Detection Capability of Ground-Penetrating Radar Using a Deep Convolutional Neural Network	06-03-2021	SERB	Core Research Grant	21.43	Dr. K. Ravi Kumar (ECE)
2	Non-Isothermal Step Rolling Cum Cold / Cryo Rolling of 7xxx Al-12Zn-3Mg-2.5Cu Alloy with addition of 0.5% SC and Its Structure-Property Relation	09-07-2021	DST (TPN / 65535)	NANO TECHNOL OGY	15.30	Dr. VV Ravi kumar (ME) (PI) Dr. K. Raghu Ram Mohan reddy (ME) (Co-PI)
3	Design of Hybrid Costas Codes and Implementing Multi-Objective Grasshopper Optimization Algorithm for Improving Range Resolution in RADAR" (File. No. CRG/2022/008700.)	04.05.2022	DST	CRG	33.10	Dr. K. Ravi Kumar (ECE)

Research Paper Publications

No.	Title of the Paper	Name of the Journal	Indexed (Scopus / SCI)				Vol. xx, No. yy, pp. zz – ff, year
			Q1	Q2	Q3	Q4	
1	Biochar from waste biomass as a biocatalyst for biodiesel production: an overview. **Dr. J. Raja Murugadoss**	Applied Nanoscience (2nd June 2021), Springer **(SCI)**		1			PP 12 Article No 1924
2	Effective removal of Remazol brilliant orange 3R using a biochar derived from Ulva reticulata. **Dr. G. Kalyani**	Energy Sources, Part A: Recovery, Utilization, and Environmental Effect (Taylor and Francis) (23rd June 2021) **(SCI)**		1			https://doi.org/10.1080/15567036.2021.1943070
3	Low power PII frequency plat form synthesizer architecture and research using dynamic CMOS VLSI technology [**Mr. K. Rajasekhar (ECE)**	Annals of RSCB **(June)**			1		Vol:25 issue 6
4	Water - Conventional and Novel Treatment Methods, Solar Driven Water Treatment (August 2021) **Dr. J. Raja Murugadoss**	Elsevier Book Chapter (SCI)			1		Published
5	Bidirectional Causal Analysis using Novel Coefficient of Causation **Mr. Ramesh Chandra (Civil Engineering)**	**Thomson and Reuters**	-	-	-	-	Published

Note: '1' refers to Scopus; '2' refers to SCI; '3' refers to ESCI. Q1…Q4 refers to the quartile where journal is placed at the time of publications.

April – May 16, 2022

Thank You